# Exhibit 6

:	Application No.	Applicant(s)	Applicant(s)	
Aladian of Allower billion	09/380,696	LO ET AL.		
Notice of Allowability	Examiner	Art Unit		
	Jeanine A Enewold Goldberg	1655		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance and Issue THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PAT initiative of the Office or upon petition by the applicant. See 37 (	S (OR REMAINS) CLOSED in this Fee Due or other appropriate cor ENT RIGHTS. This application is	application. If not include nmunication will be maile	ded ed in due course	
<ol> <li>This communication is responsive to 12/27/00; 1/11/01; 1</li> <li>The allowed claim(s) is/are 1 and 3-28.</li> <li>The drawings filed on are acceptable as formal drawings.</li> </ol>	awings.			
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the:	nder 35 U.S.C. § 119(a)-(d).			
1. ☐ Certified copies of the priority documents have	ve been received			
2. Certified copies of the priority documents have		), ————————————————————————————————————		
3.  Copies of the certified copies of the priority d	• •	<u> </u>	ation from the	
International Bureau (PCT Rule 17.2(a)).			•	
* Certified copies not received:				
5. Acknowledgement is made of a claim for domestic priority	under 35 U.S.C. & 119(e).			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of	of this communication to file a repl f this application. THIS THREE-M	y complying with the req MONTH PERIOD IS NOT	uirements noted 「EXTENDABLI	
6. Note the attached EXAMINER'S AMENDMENT or NOTICE the oath or declaration is deficient. A SUBSTITUTE OA			reason(s) why	
7. ☑ Applicant MUST submit NEW FORMAL DRAWINGS  (a) ☑ including changes required by the Notice of Draftsper  1) ☐ hereto or 2) ☑ to Paper No. 9.	erson's Patent Drawing Review( P	TO-948) attached		
<ul><li>(b) ☐ including changes required by the proposed drawing</li><li>(c) ☐ including changes required by the attached Examine</li></ul>				
Identifying indicia such as the application number (see should be filed as a separate paper with a transmittal le			e drawings	
8. Note the attached Examiner's comment regarding REQU	REMENT FOR THE DEPOSIT O	F BIOLOGICAL MATER	IAL.	
Any reply to this letter should include, in the upper right hand co applicant has received a Notice of Allowance and Issue Fee Due ALLOWANCE should also be included.				
Attachment(s)				
<ul> <li>1 ☐ Notice of References Cited (PTO-892)</li> <li>3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>5 ☐ Information Disclosure Statements (PTO-1449), Paper No.</li> <li>7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	4⊠ Interview Sur 6⊠ Examiner's A	ormal Patent Application mmary (PTO-413), Pape mendment/Comment statement of Reasons for LISA B. ARTHUR PRIMARY EXAMINER GROUP 1800 1000	r No. <u>14</u> . Allowance	

Part of Paper No.

Application/Control Number: 09/380,696

Art Unit: 1655

ロル Page 2 分り 1/23/01

#### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Frederick Koenig on January 16, 2001.

The application has been amended as follows:

Fi

1. (Twice Amended) A [nucleic acid detection] method <u>for detecting a paternally inherited nucleic acid of fetal origin</u> performed on a maternal serum or plasma sample from a pregnant female, which method comprises

amplifying a paternally inherited nucleic acid from the serum or plasma sample

and detecting the presence of a paternally inherited nucleic acid of fetal origin in the sample.

Cancel Claim 2.

Fz

The method according to Claim [2] 1, wherein the foetal nucleic acid is amplified by the polymerase chain reaction.

In Claim 4, "2" has been amended to - - 1 - -.

25. (Amended) A method for detecting a paternally inherited nucleic acid [ of performing a prenatal diagnosis] on a maternal blood sample, which method comprises: removing all or substantially all nucleated and anucleated cell populations from the blood sample,

amplifying a paternally inherited nucleic acid from the remaining fluid and subjecting the amplified nucleic acid [remaining fluid] to a test for the paternally inherited fetal nucleic acid [indicative of a maternal or fetal condition or characteristic]

53

Z

Application/Control Number: 09/380,696

Art Unit: 1655

Page 3

F4

26. (Twice Amended) A method for performing a prenatal diagnosis on a maternal blood sample, which method comprises obtaining a non-cellular fraction of the blood sample amplifying a paternally inherited nucleic acid from the non-cellular fraction and performing nucleic acid analysis on the [fraction] amplified nucleic acid to detect paternally inherited fetal nucleic acid.

The first line of the specification has been amended to insert -> This application

F5

is the national stage of PCT Application No. PCT/GB98/00690, filed March 4, 1998 under 37 CFR 371) - -

3. The following is an examiner's statement of reasons for allowance.

The claims are drawn to a method of detecting paternally inherited nucleic acid of fetal origin performed on a maternal serum or plasma sample from a pregnant female, by amplifying a paternally inherited nucleic acid from the serum or plasma sample and detecting the presence of a paternally inherited nucleic acid of fetal origin in the sample.

The closest prior art is directed to detecting alterations in plasma DNA for diagnosing and or monitoring the development of DNA (Stroun et al. GB 2299166, September 1996). The art also teaches detecting fetal cells in maternal blood and performing diagnostic tests on the blood. However, the art does not teach nor reasonably suggest that nucleic acid of fetal origin is present in maternal serum or plasma.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

54

Application/Control Number: 09/380,696

Page 4

Art Unit: 1655

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Jeanine Enewold Goldberg whose telephone number is (703) 306-5817. The examiner can normally be reached Monday-Thursday from 7:00AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Jones, can be reached on (703) 308-1152. The fax number for this Group is (703) 305- 3014.

Any inquiry of a general nature should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Jeanine Enewold Goldberg January 23, 2001

LISA B. ARTHUR PRIMARY EXAMINER GROUP 1<del>800</del> 1600

P

	· <del>····································</del>					
	Application No.	Applicant(s)				
Interview Summary	09/380,696	LO ET AL.				
more to would be a second of the second of t	Examiner	Art Unit				
	Jeanine A Enewold Goldberg	1655				
All participants (applicant, applicant's representative, PTC	personnel):					
(1) Jeanine A Enewold Goldberg.	(3)					
(2) <u>Frederick Koenig</u> .	(4)					
Date of Interview: <u>11 January 2001</u> .						
Type: a)⊠ Telephonic b)⊡ Video Conference c)⊡ Personal [copy given to: 1)⊡ applicant	2) applicant's representative	ve]				
Exhibit shown or demonstration conducted: d) Yes If Yes, brief description:	e) No.					
Claim(s) discussed:						
Identification of prior art discussed:						
Agreement with respect to the claims f)☐ was reached	. g)□ was not reached. h)[	□ N/A.				
Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: <u>The examiner called to discuss the after final amendment</u> . <u>While the applicants have provided the necessary changes, the examiner upon further consideration believes that an amplification step is a necessity for the claimed invention. The examiner indicated that prosecution would be reopened.</u>						
(A fuller description, if necessary, and a copy of the amer allowable, if available, must be attached. Also, where no allowable is available, a summary thereof must be attach	copy of the amendments that v					
i) It is not necessary for applicant to provide a separate record of the substance of the interview(if box is checked).						
Unless the paragraph above has been checked, THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.						
		•				
Examiner Note: You must sign this form unless it is an	S. Nole	dberg				

U.S. Patent and Trademark Office PTO-413 (Rev. 03- 98)

Attachment to a signed Office action.

Interview Summary

Paper No. 14.

Examiner's signature, if required



## UNITED STAYES DEPARTMENT OF COMMERCE Patent and Trademark Office

### NOTICE OF ALLOWANCE AND ISSUE FEE DUE

HM32/0301

C FREDERICK KOENIG 111
VOLPE & KOENIG
400 ONE PENN CENTER
1617 JOHN F KENNEDY BOULEVARD
PHILADELPHIA PA 19103

	APPLICATION NO. FILING DATE TOTAL CLAIMS EXAMINER AND GROUP ART UNIT DATE MAILED
	09/380,696 11/29/99 027 GOLDBERG, J 1655 03/01/01
	First Named
1	Applicant LCI, 35 USC 154(b) term ext. = 0 Days.

TITLE OF INVASIVE PRENATAL DIAGNOSIS

	ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN TYPE SM	ALL ENTITY FEE DUE	DATE DUE
<b>2</b> > .	1 SMP-PT04	4.65 A.69E	00× 000 C	S6 UTILITY	NO \$1240.	00 06/01/01
	1 DAME OF LOS	Partie	0,000			

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED.</u>

### HOW TO RESPOND TO THIS NOTICE:

- Review the SMALL ENTITY status shown above.
   If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
  - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
  - B. If the status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.

  Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

PTOL-85 (REV. 10-96) Approved for use through 06/30/99. (0651-0033)

